

Themes and Issues in Disaster Risk Reduction

A schema for the categorization of DRR knowledge and action

Over the past four years, the information management unit (IMU) of the United Nations International Strategy for Disaster Reduction (UNISDR) secretariat has been collecting and classifying information of all types relating to the domain of disaster risk reduction (DRR).

The purpose of this document is to describe the thematic classification system that has been developed, with the aim of promoting a better understanding of DRR, and the development of an internationally recognized information classification and exchange standard. It is hoped that a clear set of well defined themes will help non-specialists such as journalists and newcomers make sense of this complex area of work. This document is not meant to be a glossary of DRR terminology, but serves as a broad overview of the DRR domain.

This draft document is presented as a request for comment. Please send comments to:

<http://groups.preventionweb.net/scripts/wa-PREVENTIONWEB.exe?A0=DRRIM-L>

Classification of DRR information by themes and issues:

Based on thorough user research performed at the start of the PreventionWeb project¹ it was clear that disaster risk reduction information had no existing basis of classification that was internationally accepted.

While the most obvious facets of disaster related information are both geographical (country of region) and hazard-based (flood, earthquake, etc.)², there is also a broad set of thematic areas such as gender, environment or education that have yet to be fully mapped. These broad areas have been termed “Themes and Issues” and are the subject of this paper.

Based on the classification of over 14,000 content items, the UNISDR IMU has developed a list of 29 themes and issues which are described below. The philosophy behind the development of the themes and issues list has been evidence or activity-based, meaning that if DRR professionals were specializing in an area, writing about it, meeting on the topic, and it was not treated exclusively a subdomain of another working area, then it became a theme or issue. In other words, themes and issues reflect how self-identified DRR domain actors currently describe their work.

¹ User interviews with National Platform, HFA focal points and Practitioners (mental model diagrams) - Mar07 [PDF, 125kb]
http://www.preventionweb.net/english/documents/about/01_User_Research/PW_Alignment%20Diagrams.pdf

² PreventionWeb Countries & Regions (including major territories): <http://www.preventionweb.net/english/countries/>
based upon the UN Standard Country or Area Codes for Statistical Use: <http://unstats.un.org/unsd/methods/m49/m49.htm>;
Hazard list controlled vocabulary based upon GLIDE project www.glidenumbers.net, consultation and analysis with hazard data partners: <http://www.preventionweb.net/english/documents/about/Controlled-vocabularies.zip>

The following list of 29 themes and issues has been validated in the following ways:

- Over 13,000 diverse pieces of content have been classified by IMU staff.
- Most of the themes and issues presented have active communities of practice or related professional networks.³
- A survey of 1,856 DRR professionals performed by UNISDR and UNDP in 2010 had a broad acceptance of the themes and issues as areas of professional specialization⁴ and also noted which areas needed more expertise.
- Interviews have been held with many DRR experts to validate the related content collections and related terms for each theme.
- DRR networking surveys have been carried out at the 2008 and 2010 IDRC conferences, and over 400 DRR professionals were asked about their areas of specialization.
- The themes and issues schema or controlled vocabulary has been adopted by several international information exchange partners including ASEAN, ESCAP, ADPC and CRID.⁵
- Over 2 million site visits to PreventionWeb have resulted in very little controversy or negative commentary about the thematic classification system.

Other classification schemes:

In the broad domain of disaster risk reduction, other related classification schemes include the Hyogo Framework for Action, OECD CRS development sectors, the humanitarian cluster system, and the 10 essentials for DRR in cities.⁶

Wherever possible a mapping has been made from the DRR themes and issues to these other classification schemes, as noted below under each item.

Correlations between themes and issues:

71% of the DRR information that has been classified covers more than one theme or issue, and some themes have a high degree of correlation with others. The most related areas are noted below each thematic area. See the Annex Table 1 for the full list of correlations.

³ Networks & Communities of Practice submitted and/or hosted on PreventionWeb:

<http://www.preventionweb.net/english/professional/networks/>

⁴ Results of the UNISDR-UNDP “Professional Profiles for Disaster Risk Reduction (DRR) Professionals survey, launched 5 May 2009 in English and Spanish

⁵ Controlled Vocabulary, see Themes and Issues: <http://www.preventionweb.net/english/documents/about/Controlled-vocabularies.zip>
Development in consultation with UNISDR IMU: ASEAN DRR Portal (in development), ESCAP DRR Gateway (in development), DRR Project Portal, technical lead: ADPC (<http://www.drrprojects.net>), and CRID search project (<http://www.crid.or.cr>)

⁶ Hyogo Framework for Action, full text: <http://www.unisdr.org/eng/hfa/hfa.htm>

Hyogo Framework for Action: priority to theme/issue mapping: <http://www.preventionweb.net/english/hyogo/progress/>

OECD CRS development sectors: <http://www.oecd.org/dataoecd/13/28/46804176.doc>

Humanitarian clusters: <http://www.humanitarianreform.org>

World Disaster Reduction campaign 10 Essentials for Making Cities Resilient:

http://www.unisdr.org/english/campaigns/campaign2010-2011/documents/230_tenpointchecklist.pdf

Correlations between themes and hazards:

See the Annex Table 2 for a correlation between DRR themes and hazard types.

Subdomains and the role of DRR networks and Communities of Practice:

Many of the Themes and Issues described below often refer to a very broad area of work such as climate change adaptation or environment, there are very few internationally recognized classifications which describe the breakdown of the DRR related information and activities within each of these thematic areas. The UNISDR encourages the thematic platforms, networks and communities of practice related to each of the themes and issues to initiate a debate and develop a set of sub-themes for each working area.

Emergent Themes and Issues:

Thematic areas of DRR are dynamic and emergent. Some thematic areas which have been noted, but are not yet considered to have a significant body of related information include: rights-based approach to DRR, ethics of DRR, migration, and social protection. Discussions have also included the general topic of Development, which is considered too broad, MDGs, and rural land-use planning.

In addition, the combination of health with safer hospitals and education with school safety reflects the current state of the DRR community. Eventually, safer schools and hospital issues may be seen as only structural safety or critical infrastructure issues.

Comments and input are most welcome on these topics:

<http://groups.preventionweb.net/scripts/wa-PREVENTIONWEB.exe?A0=DRRIM-L>

Themes and Issues in Disaster Risk Reduction:

The following is a list of the current Themes and Issues which have been identified. All theme and issue names, definitions, and related areas are considered within the DRR context.

Capacity Development*

Definition:

The process by which people, organizations and society systematically stimulate and develop their ability over time to achieve social and economic goals, including through improvement of knowledge, skills, systems, and institutions - within a wider social and cultural enabling environment.

Related terms: capacity assessment; capacity development response; individual, community and institutional learning, training and development; institutional strengthening and development; functional capacities; technical capacities

Related HFA priority: Priority(-ies): 1, 3, 5; **Indicator(s):** 1.2, 3.4, 5.1

Related development sector, DAC 5 code(s): CRS code(s): 12181 Medical education/training; 14081 Education and training in water supply sanitation

Related humanitarian cluster: N/A

PreventionWeb hubpage: 1866 items

<http://www.preventionweb.net/english/themes/capacity-development/>

Of 1856 disaster risk reduction professionals surveyed:

42% consider themselves an expert

34% need to strengthen their organization's capacity in this area

Civil Society/NGOs

Definition:

Strengthening local capacities, preparedness and response to natural hazards through initiatives at local level by and in partnership with civil society and/or non-governmental organizations

Related terms: civic action, collective community action, community-based organization (CBO) action, grassroots action, integrative DRR, non-governmental organization (NGO) action

Related HFA priority: Priority(-ies): 1, 3; **Indicator(s):** 1.3, 3.2, 3.4

Related development sector, DAC 5 code(s): CRS Code(s) 15150 Democratic participation and civil society

* 2009 UNISDR terminology on Disaster Risk Reduction - adapted

Related humanitarian cluster: N/A

PreventionWeb hubpage: 476 items
<http://www.preventionweb.net/english/themes/ngo/>

Of 1856 disaster risk reduction professionals surveyed:
26% consider themselves an expert
11% need to strengthen their organization's capacity in this area

Climate Change

Definition:

Adaptation: Initiatives and measures to reduce the vulnerability of natural and human systems against actual or expected climate change effects. Various types of adaptation exist: anticipatory and reactive, private and public, and autonomous and planned.

Related terms: adaptation benefits, adaptation costs, adaptation measures, adaptive capacity, climate change adaptation, climate resilience, climate-proofing

Related HFA priority: Priority(-ies): 4; Indicator(s): 4.1

Related development sector, DAC 5 code(s): N/A

Related humanitarian cluster: Global Food Security (*forthcoming, formerly Agriculture*)

PreventionWeb hubpage: 3460 items
<http://www.preventionweb.net/english/themes/climate/>

Of 1856 disaster risk reduction professionals surveyed:
20% consider themselves an expert
33% need to strengthen their organization's capacity in this area

Community-based DRR (CBDRR)

Definition:

Strengthening and sharing local, community-based knowledge to increase community capacity, preparedness and response to natural hazards and decrease vulnerability to disasters

Related terms: CBDRR, community-based disaster risk management (CBDRM), community vulnerability assessment, community disaster response preparedness, community risk mitigation, local capacity assessment, local risk mapping

Related HFA priority: Priority(-ies): 1, 3; Indicator(s): 1.3, 3.2, 3.4

Related development sector, DAC 5 code(s): CRS Code(s) 15150 Democratic participation and civil society

Related humanitarian cluster: N/A

PreventionWeb hubpage: 1406 items
<http://www.preventionweb.net/english/themes/community-drr/>

Of 1856 disaster risk reduction professionals surveyed:

40% consider themselves an expert

23% need to strengthen their organization's capacity in this area

Complex Emergency

Definition:

A humanitarian crisis in a country, region or society where there is total or considerable breakdown of authority resulting from internal or external conflict and which requires an international response that goes beyond the mandate or capacity of any single agency and/or the ongoing United Nations country program. (*IASC*) Complex emergencies are worsened in the face of natural hazard related disasters.

Related terms: multiple hazard crisis, humanitarian crisis, conflict

Related HFA priority: Priority(-ies): 4; Indicator(s): 4.2

Related development sector, DAC 5 code(s): N/A

Related humanitarian cluster: N/A

PreventionWeb hubpage: 324 items

<http://www.preventionweb.net/english/themes/complex-emergency/>

Of 1856 disaster risk reduction professionals surveyed:

20% consider themselves an expert

20% need to strengthen their organization's capacity in this area

Critical Infrastructure

Definition:

The primary physical structures, technical facilities and systems which are socially, economically or operationally essential to the functioning of a society or community, both in routine circumstances and in the extreme circumstances of an emergency.

Related terms: communications systems, health facilities, 'lifelines', power and energy, emergency evacuation shelters, financial infrastructure, schools, elements of transportation systems, waste disposal, water supplies

Related HFA priority: Priority(-ies): 4, 5; Indicator(s): 4.2, 4.3, 4.6, 5.3

Related development sector, DAC 5 code(s): CRS Code(s): 14015 Water resources protection, 14020 Water supply and sanitation, large systems, 14030 Basic drinking water supply and basic sanitation; 21010 Transport policy

Related humanitarian cluster: N/A

PreventionWeb hubpage: 401 items

<http://www.preventionweb.net/english/themes/infrastructure/>

Of 1856 disaster risk reduction professionals surveyed:

8% consider themselves an expert

15% need to strengthen their organization's capacity in this area

Disaster Risk Management

Definition:

The systematic process of using administrative directives, organizations, and operational skills and capacities to implement strategies, policies and improved coping capacities in order to lessen the adverse impacts of hazards and the possibility of disaster; aims to avoid, lessen or transfer the adverse effects of hazards through activities and measures for prevention, mitigation and preparedness*

Related terms: disaster mitigation, disaster preparedness, disaster prevention prospective disaster risk management

Related HFA priority: Priority(-ies): 1, 4, 5; Indicator(s): 1.1, 4.5, 5.1, 5.2, 5.4

Related development sector, DAC 5 code(s): N/A

Related humanitarian cluster: N/A

PreventionWeb hubpage: 3791 items

<http://www.preventionweb.net/english/themes/drm/>

Of 1856 disaster risk reduction professionals surveyed:

61% consider themselves an expert

36% need to strengthen their organization's capacity in this area

Early Warning

Definition:

The set of capacities needed to generate and disseminate timely and meaningful warning information to enable individuals, communities and organizations threatened by a hazard to prepare and to act appropriately and in sufficient time to reduce the possibility of harm or loss*

Related terms: alert and warning dissemination; 'end-to-end warning system'; monitoring, analysis and forecasting of the hazards; people-centred early warning system

Related HFA priority: Priority(-ies): 2, 4; Indicator(s): 2.3, 4.2

Related development sector, DAC 5 code(s): N/A

Related humanitarian cluster: N/A

PreventionWeb hubpage: 1151 items

<http://www.preventionweb.net/english/themes/early-warning/>

Of 1856 disaster risk reduction professionals surveyed:

26% consider themselves an expert

29% need to strengthen their organization's capacity in this area

* 2009 UNISDR terminology on Disaster Risk Reduction - adapted

* 2009 UNISDR terminology on Disaster Risk Reduction

Economics of DRR

Definition:

Economic and cost-benefit analysis of disaster risk mitigation, including the economic impacts of disasters.

Related terms: cost benefit analysis, disaster risk financing, financial effects of disasters, poverty and disaster risk, socio-economic impacts of disasters

Related HFA priority: Priority(-ies): 1, 4, 5; **Indicator(s):** 1.2, 4.3, 5.3

Related development sector, DAC 5 code(s): CRS Code(s) 15110 Economic and development policy/planning

Related humanitarian cluster: N/A

PreventionWeb hubpage: (1207 items)

<http://www.preventionweb.net/english/themes/economics/>

Of 1856 disaster risk reduction professionals surveyed:

6% consider themselves an expert

24% need to strengthen their organization's capacity in this area

Education & School Safety

Definition:

Education for disaster risk reduction is an interactive process of mutual learning among people and institutions. It encompasses far more than formal education at schools and universities and uses traditional wisdom and local knowledge for protection from natural hazards.*

Related terms: disaster prevention education and curricula, education continuity, safe schools, school disaster management

Related HFA priority: Priority(-ies): 3, 4; **Indicator(s):** 3.2, 4.2

Related development sector, DAC 5 code(s): CRS code(s): 11110

Education policy and administrative management; 11120 Education facilities and training;

11130 Teacher training; 112 Basic education; 113 Secondary education; 114 Post-secondary education; 12181 Medical education/training

Related humanitarian cluster: Education

PreventionWeb hubpage: 1418 items

<http://www.preventionweb.net/english/themes/education/>

Of 1856 disaster risk reduction professionals surveyed:

27% consider themselves an expert

15% need to strengthen their organization's capacity in this area

* UNISDR, Risk reduction and education: <http://www.unisdr.org/eng/risk-reduction/education/education.htm>

Environment

Definition:

Mainstreaming DRR issues at all levels of the environmental discussion including sustainable development, environmental degradation, ecosystems and environmental management

Related terms: ecosystems and environmental management, environmental degradation, environmental impact assessment, Integrated Natural Resource Management (INRM)

Related HFA priority: Priority(-ies): 4; Indicator(s): 4.1, 4.2

Related development sector, DAC 5 code(s): 14010 Water sector policy and administrative management; 14015 Water resources conservation (including data collection); 14040 River basins' development; 41010 Environmental policy and administrative management; 41030 Bio-diversity; 41040 Site preservation; 41050 Flood prevention/control; 41082 Environmental research; 31210 Forestry policy and administrative management' 31220

Related humanitarian cluster: Environment

PreventionWeb hubpage: 1313 items

<http://www.preventionweb.net/english/themes/environment/>

Of 1856 disaster risk reduction professionals surveyed:

25% consider themselves an expert

20% need to strengthen their organization's capacity in this area

Food Security & Agriculture

Definition:

Activities aimed at reducing food insecurity and agricultural livelihood vulnerability in the face of climate change and natural hazard events.

Related terms: agricultural micro loans and finance, climate smart agriculture, crop distribution, diversified cropping system, food storage capacity, rural land-use planning, livestock management

Related HFA priority: Priority(-ies): 4; Indicator(s): 4.2

Related development sector, DAC 5 code(s): Agriculture, 311; CRS Code(s): 52010 Food security programmes

Related humanitarian cluster: Global Food Security (forthcoming, formerly Agriculture)

PreventionWeb hubpage: 144 items

<http://www.preventionweb.net/english/themes/food-agriculture/>

Not included in the survey, but subsequently added to PreventionWeb

Gender

Definition:

Addressing the gender-based gaps and imbalances in DRR policy and practice, raising awareness of gendered vulnerabilities of both men and women, and promoting gender-sensitive approaches to DRR

Related terms: gendered vulnerability, gender-sensitive disaster risk management

Related HFA priority: Priority(-ies): 4; Indicator(s): 4.2

Related development sector, DAC 5 code(s): CRS code(s) 15170 Women's equality organisations and institutions

Related humanitarian cluster: Gender

PreventionWeb hubpage: 323 items

<http://www.preventionweb.net/english/themes/gender/>

Of 1856 disaster risk reduction professionals surveyed:

13% consider themselves an expert

13% need to strengthen their organization's capacity in this area

GIS & Mapping:

Definition:

Using Geographic Information Systems (GIS) for mapping and spatial data analysis of disaster risk reduction related hazard exposure, vulnerability and risk.

Related terms: geographic information systems, hazard exposure mapping, vulnerability mapping, risk mapping

Related HFA priority: Priority(-ies): 2; Indicator(s): 2.1

Related development sector, DAC 5 code(s): N/A

Related humanitarian cluster: N/A

PreventionWeb hubpage: 448 items

<http://www.preventionweb.net/english/themes/gis/>

Of 1856 disaster risk reduction professionals surveyed:

13% consider themselves an expert

22% need to strengthen their organization's capacity in this area

Governance:

Definition:

Governmental approaches and methods referring to disaster risk reduction, national capacity building, policy design and legislation, and State-led, coordinated post-disaster recovery efforts. A National Platform for Disaster Risk Reduction is a nationally owned

and nationally led forum or committee for advocacy, coordination, analysis and advice on disaster risk reduction.*

Related terms: disaster risk reduction policy and legislation, National Platform for disaster risk reduction, Regional Platforms for disaster risk reduction

Related HFA priority: Priority(-ies): 1, 4, 5; Indicator(s): 1.1, 1.4, 4.4, 4.6, 5.2, 5.4

Related development sector, DAC 5 code(s): CRS Code(s) 15110 Public sector policy and administrative management; 15111 Public finance management, 15112 Decentralisation and support to subnational government; 15130 Legal and judicial development; 15153 Media and Free flow of information; 15162 Human rights;

Related humanitarian cluster: Protection [in Natural Disasters]

PreventionWeb hubpage: 3339 items

<http://www.preventionweb.net/english/themes/governance/>

Of 1856 disaster risk reduction professionals surveyed:

18% consider themselves an expert.

17% need to strengthen their organization's capacity in this area

Health & Health Facilities

Definition:

Strengthening capacity and resilience of health systems and countries to mitigate and manage disasters

Related terms: capacity of health practitioners, climate change effects on health, environmental impact on health, health and disaster risk, health facilities and services, health facility preparedness, health: gender, mental health, public health, health: water and sanitation, psychosocial support, safe hospitals, trauma prevention

Related HFA priority: Priority(-ies): 4; Indicator(s): 4.2

Related development sector, DAC 5 code(s): CRS code(s): 12110 Health policy and administrative management; 12181 medical edu/training

Related humanitarian cluster: Health; HIV/AIDS

PreventionWeb hubpage: 823 items

<http://www.preventionweb.net/english/themes/health/>

Of 1856 disaster risk reduction professionals surveyed:

13% consider themselves an expert

11% need to strengthen their organization's capacity in this area

* * 2009 UNISDR terminology on Disaster Risk Reduction – adapted

Indigenous Knowledge

Definition:

The basis of community coping practices, local community knowledge accumulated over generations of living in a particular environment that is shared and applied to reduce community vulnerability

Related terms: indigenous early warning system, local adaptation for implementation, local knowledge, local skills, local technical knowledge, local knowledge systems, transferable indigenous knowledge

Related HFA priority: Priority(-ies): 3; Indicator(s): 3.2

Related development sector, DAC 5 code(s): N/A

Related humanitarian cluster: N/A

PreventionWeb hubpage: 77 items

<http://www.preventionweb.net/english/themes/indigenous-knowledge/>

Not included in the survey, but subsequently added to PreventionWeb

Information Management

Definition:

Facilitating access to and developing standards for disaster risk reduction (DRR) data and information to support information exchange and understanding among DRR decision-makers, actors and citizens at large

Related terms: disaster data and information exchange standards; disaster databases and information management; disaster risk information portals; disaster risk reduction knowledge management, networks and communities of practice; information and communication technology (ICT)

Related HFA priority: Priority(-ies): 2, 3, 5; Indicator(s): 2.2, 3.1, 5.4

Related development sector, DAC 5 code(s): CRS Code(s)
15153 Media and Free flow of information

Related humanitarian cluster: Emergency Telecommunications

PreventionWeb hubpage: 636 items

<http://www.preventionweb.net/english/themes/info-management/>

Of 1856 disaster risk reduction professionals surveyed:

18% consider themselves an expert

24% need to strengthen their organization's capacity in this area

Insurance & Risk Transfer

Definition:

Financial mechanisms formulated to reduce vulnerability to disaster by employing structured financial instruments, and which spread remaining risks across sectors

Related terms: disaster insurance, contingency funding, micro-insurance, post-disaster loans, risk financing, risk insurance, risk sharing, pooling

Related HFA priority: Priority(-ies): 4, 5; **Indicator(s):** 4.1, 4.2, 5.3

Related development sector, DAC 5 code(s): CRS Code(s) 24030 Formal sector financial intermediaries, 24040 (Informal/semi-formal financial intermediaries)

Related humanitarian cluster: N/A

PreventionWeb hubpage: 324 items

<http://www.preventionweb.net/english/themes/risk-transfer/>

Of 1856 disaster risk reduction professionals surveyed:

5% consider themselves an expert

16% need to strengthen their organization's capacity in this area

Media

Definition:

Advocacy and awareness raising of DRR issues through the media, and encouraging media actors to adopt a proactive approach to reporting news and information on disaster risk reduction (DRR), and not simply disaster-related events

Related terms: advocacy and awareness raising, disaster risk reporting, disaster risk information dissemination, public information on disaster risk reduction

Related HFA priority: Priority(-ies): 3; **Indicator(s):** 3.4

Related development sector, DAC 5 code(s): CRS Code(s) 15153 Media and Free flow of information

Related humanitarian cluster: N/A

PreventionWeb hubpage: 402 items

<http://www.preventionweb.net/english/themes/media/>

Of 1856 disaster risk reduction professionals surveyed:

9% consider themselves an expert

13% need to strengthen their organization's capacity in this area

Public-Private- Partnerships

Definition:

Fostering relationships between governments and companies to strengthen cooperation, funding, compliance with regulatory and safety standards, and contribute to building the capacity and resilience of communities to disaster

Related terms: business partnerships for disaster risk reduction, corporate social responsibility, private sector engagement in disaster risk reduction (DRR)

Related HFA priority: Priority(-ies): 4; Indicator(s): 4.2, 4.3

Related development sector, DAC 5 code(s): N/A

Related humanitarian cluster: N/A

PreventionWeb hubpage: 211 items

<http://www.preventionweb.net/english/themes/ppp/>

Of 1856 disaster risk reduction professionals surveyed:

10% consider themselves an expert

16% need to strengthen their organization's capacity in this area

Recovery

Definition:

The restoration, and improvement where appropriate, of facilities, livelihoods and living conditions of disaster-affected communities, including efforts to reduce disaster risk factors.

Related terms: build back better, early recovery and shelter with a long-term view, long-term recovery and reconstruction, psycho-social issues for long term recovery rehabilitation, post-disaster needs assessment

Related HFA priority: Priority(-ies): 3, 4, 5; Indicator(s): 3.2, 4.5, 5.3

Related development sector, DAC 5 code(s): N/A

Related humanitarian cluster: Early Recovery; Emergency Shelter; Water & Sanitation

PreventionWeb hubpage: 984 items

<http://www.preventionweb.net/english/themes/recovery/>

Of 1856 disaster risk reduction professionals surveyed:

18% consider themselves an expert

13% need to strengthen their organization's capacity in this area

Risk Identification & Assessment

Definition:

A structured analytical process designed to determine the nature and extent of risk by analyzing potential hazards and evaluating existing conditions of vulnerability that together could potentially harm exposed people, property, services, livelihoods and the environment on which they depend

Related terms: risk assessment; risk analysis process: exposure, vulnerability of physical, social, health, economic and environmental dimensions; vulnerability assessment

Related HFA priority: Priority(-ies): 2; Indicator(s): 2.1, 2.2, 2.4

Related development sector, DAC 5 code(s): N/A

Related humanitarian cluster: N/A

PreventionWeb hubpage: 1750 items

<http://www.preventionweb.net/english/themes/risk-identification/>

Of 1856 disaster risk reduction professionals surveyed:

42% consider themselves an expert

28% need to strengthen their organization's capacity in this area

Social Impacts & Resilience

Definition: Consequences of a hazardous event on the physical and economic well-being of individuals and on the functioning of a community. Features of a social system that help to avoid losses and maintain or recover satisfying living conditions after a shock

Related terms: coping capacity, loss absorption, loss acceptance, loss of livelihood, social vulnerability

Related HFA priority: Priority(-ies): 4; Indicator(s): 4.2

Related development sector, DAC 5 code(s): CRS Code(s) 16010 Social welfare services

Related humanitarian cluster: Protection [in Natural Disasters]

PreventionWeb hubpage: 860 items

<http://www.preventionweb.net/english/themes/social-impacts/>

Of 1856 disaster risk reduction professionals surveyed:

25% consider themselves an expert

27% need to strengthen their organization's capacity in this area

Space Technology

Definition:

Using space-based technologies to improve disaster management and provide data for DRR

Related terms: satellite, disaster imagery, remote sensing

Related HFA priority: Priority(-ies): 2, 3; **Indicator(s):** 2.1, 3.1

Related development sector, DAC 5 code(s): N/A

Related humanitarian cluster: N/A

PreventionWeb hubpage: 212 items
<http://www.preventionweb.net/english/themes/space-technology/>

Of 1856 disaster risk reduction professionals surveyed:
4% consider themselves an expert
8% need to strengthen their organization's capacity in this area

Structural Safety

Definition:

Any physical construction to reduce or avoid possible impacts of hazards, or application of engineering techniques to achieve hazard-resistance and resilience in structures or systems

Related terms: building codes, building standards, building materials, construction, retrofitting

Related HFA priority: Priority(-ies): 4; **Indicator(s):** 4.1, 4.5, 4.4

Related development sector, DAC 5 code(s): N/A

Related humanitarian cluster: N/A

PreventionWeb hubpage: 769 items
<http://www.preventionweb.net/english/themes/structural-safety/>

Of 1856 disaster risk reduction professionals surveyed:
6% consider themselves an expert
12% need to strengthen their organization's capacity in this area

Urban Risk & Planning

Definition:

Coordinating, collaborating and exchanging information to support DRR mainstreaming at city level, including urban planning and management

Related terms: resilient cities, urban planning, urban management,

Related HFA priority: Priority(-ies): 1, 3, 4; Indicator(s): 1.3, 3.4, 4.2, 4.3, 4.4

Related development sector, DAC 5 code(s): CRS Code(s) 43030 Urban development and management

Related humanitarian cluster: N/A

PreventionWeb hubpage: 1092 items
<http://www.preventionweb.net/english/themes/urban-risk/>

Of 1856 disaster risk reduction professionals surveyed:
20% consider themselves an expert
25% need to strengthen their organization's capacity in this area

Vulnerable Populations

Definition:

Addressing the at-risk population to decrease vulnerability, sensitivity and risk exposure to natural hazards

Related terms: disabled, mentally disabled, medically or chemically dependent, rural and urban poor, frail/elderly, children, at-risk populations, migrants, homeless, hospitalized people, illiterate, speakers of non-local languages

Related HFA priority: Priority(-ies): 4; Indicator(s): 4.2, 4.4

Related development sector, DAC 5 code(s): CRS Code(s) 15160 Human rights

Related humanitarian cluster: Protection [in Natural Disasters]; Age

PreventionWeb hubpage: 782 items
<http://www.preventionweb.net/english/themes/vulnerable-populations/>

Of 1856 disaster risk reduction professionals surveyed:
32% consider themselves an expert
22% need to strengthen their organization's capacity in this area

Water

Definition:

Water resource management strategies which build preparedness to deal with extreme weather events and conditions that lead to floods, droughts and degraded water quality

Related terms: drinking water, freshwater, irrigation, potable water, water and sanitation, water resource management

Related HFA priority: Priority(-ies): 4; Indicator(s): 4.6

Related development sector, DAC 5 code(s): CRS Code(s): 14015 Water resources conservation (including data collection); 14020 Water supply and sanitation, large systems; 14031 Basic drinking water; 14040 River basins' development; 14081 Education and training in water supply and sanitation; 31140 Agricultural water resources

Related humanitarian cluster: Environment, Water & Sanitation

PreventionWeb hubpage: (921 items)

<http://www.preventionweb.net/english/themes/water/>

Of 1856 disaster risk reduction professionals surveyed:

14% consider themselves an expert

13% need to strengthen their organization's capacity in this area

ANNEX: Correlation and Frequency tables

The following attached tables (best viewed electronically) are based on the classification of over 13,000 pieces of DRR content by the PreventionWeb and UNISDR Library staff.

Note that DRR information is most often related to more than one theme or hazard, and 71% of the content items are tagged with more than one theme or issue.

Table 1: Correlations between Themes and Issues

This table is based on the classification of over 13,000 pieces of content, and indicates the percentage of content that has two themes in common.

For example on the top left of the table, you can see that 1866 pieces of content have been tagged with the Capacity Development theme. 2.0% of these items have no other theme tags, and 9.4% have also been tagged with the theme Civil Society/NGOs.

Note: Capacity Development, Disaster Risk Management and Governance themes have been broadly applied, and are probably over-represented. 87% of content items have thematic tags, and 62% of the items are tagged with more than one theme or issue.

Table 2: Themes and Issues in the Hyogo Framework

This table indicates where the Themes and issues are specifically referred to in the full text document of the Hyogo Framework for Action.

Table 3: Correlation between Themes and Issues and Hazard types

This table is based on the classification of over 13,000 pieces of content, and indicates the percentage of content that has both themes and hazard types.

For example on the top left of the table, you can see that 1866 pieces of content have been tagged with the Capacity Development theme. 0.6% of these items also been tagged with the hazard type Avalanche, and 0.4% of these items also been tagged with the hazard type Cold Wave.

Note: Only 39% of content items are tagged with any hazard type.

Table 4: Themes and issues vs. content types

This table is based on the classification of over 13,000 pieces of content, and indicates the distribution of themes and issues for each content type.

For example on the top left of the table, you can see that 22% of news items and 12% of events have been tagged with the Capacity Development theme.

Please send comments or revisions to:

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